#### NATIONAL SCIENCE STANDARDS ADDRESSED IN THE

## 1st & 2nd grade field trips

Abilities necessary to do scientific inquiry	National Science Education	GRADE 1			GRADE 2			
Abilities necessary to do scientific inquiry		Water		Plants		Rocks		
Understanding about scientific inquiry	Science as Inquiry							
Physical Science Properties of objects and materials	Abilities necessary to do scientific inquiry	<b>√</b>	<b>√</b>		√		✓	
Properties of objects and materials								
Position and motion of objects	Physical Science							
Position and motion of objects		<b>√</b>	<b>√</b>	<b>√</b>		✓		
Life Science Characteristics of organisms	Position and motion of objects	<b>√</b>				<b>√</b>	<b>√</b>	
Characteristics of organisms								
Life cycles of organisms  Organisms and environments  V  V  V  V  Earth and Space Science  Properties of earth materials  Objects in the sky  Changes in earth and sky  V  Science and Technology  Abilities to distinguish between natural objects and objects made by humans  Abilities of technological design  Understanding about science and technology  V  Science in Personal & Social  Perspectives  Personal Health  Characteristics and changes in populations  Types of resources  V  History and Nature of Science Science as a human endeavor  Unifying Concepts and Processes  Systems, order, and organization  V  V  V  V  V  V  V  V  V  V  V  V  V	Life Science							
Life cycles of organisms  Organisms and environments  V  V  V  V  Earth and Space Science  Properties of earth materials  Objects in the sky  Changes in earth and sky  V  Science and Technology  Abilities to distinguish between natural objects and objects made by humans  Abilities of technological design  Understanding about science and technology  V  Science in Personal & Social  Perspectives  Personal Health  Characteristics and changes in populations  Types of resources  V  History and Nature of Science Science as a human endeavor  Unifying Concepts and Processes  Systems, order, and organization  V  V  V  V  V  V  V  V  V  V  V  V  V	Characteristics of organisms	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>		<b>√</b>	
Organisms and environments								
Properties of earth materials								
Properties of earth materials	Earth and Space Science							
Objects in the sky Changes in earth and sky  Science and Technology Abilities to distinguish between natural objects and objects made by humans Abilities of technological design Understanding about science and technology  V Science in Personal & Social Perspectives Personal Health Characteristics and changes in populations Types of resources Changes in environments Science and technology in local challenges  V History and Nature of Science Science as a human endeavor  V Unifying Concepts and Processes Systems, order, and organization V Constancy, change, and measurement V V V V V V V V V V V V V V V V V V V		1	1	1	/	1		
Changes in earth and sky							1	
Abilities to distinguish between natural objects and objects made by humans	Changes in earth and sky		✓	✓	✓	✓	✓	
Perspectives Personal Health	objects and objects made by humans	✓		<b>/</b>			√	
Characteristics and changes in populations  Types of resources  Changes in environments  Science and technology in local challenges  History and Nature of Science Science as a human endeavor  V  Unifying Concepts and Processes Systems, order, and organization  V  Evidence, models, and explanation  V  V  Evolution and equilibrium	Perspectives			_				
Types of resources							<b>√</b>	
Changes in environments  Science and technology in local challenges  History and Nature of Science Science as a human endeavor  Unifying Concepts and Processes Systems, order, and organization  V  V  Evidence, models, and explanation  V  V  Evolution and equilibrium							,	
Science and technology in local challenges  History and Nature of Science Science as a human endeavor  Unifying Concepts and Processes Systems, order, and organization  V  Evidence, models, and explanation  V  Constancy, change, and measurement  V  Evolution and equilibrium							✓	
History and Nature of Science Science as a human endeavor								
Science as a human endeavor  Unifying Concepts and Processes  Systems, order, and organization  V  V  V  V  V  V  Evidence, models, and explanation  V  V  V  V  V  V  V  V  V  V  V  V  V	Science and technology in local challenges				<b>√</b>	<b>√</b>		
Systems, order, and organization	History and Nature of Science Science as a human endeavor			√	✓	<b>√</b>		
Systems, order, and organization	Unifying Concepts and Processes							
Evidence, models, and explanation		<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	
Constancy, change, and measurement								
Evolution and equilibrium								
į.							······································	
	ı						✓	

### NATIONAL SCIENCE STANDARDS ADDRESSED IN THE

## 3rd & 4th grade field trips

National Science Education	GRADE 3			GRADE4			
Content Standards (Grades K-4)	Habitat	Geological Features	Ecosystems	Animal Adaptations	Cultural Contributions	Water Cycle	
Science as Inquiry Abilities necessary to do scientific inquiry Understanding about scientific inquiry					······✓		
Physical Science Properties of objects and materials Position and motion of objects Light, heat, electricity, and magnetism							
Life Science Characteristics of organisms Life cycles of organisms Organisms and environments	<b>√</b>		<b>√</b>	✓		✓	
Earth and Space Science Properties of earth materials Objects in the sky Changes in earth and sky	✓ ✓	✓	✓		V	✓ ✓	
Science and Technology Abilities to distinguish between natural objects and objects made by humans Abilities of technological design	gy . <b>√</b>				   	√ √	
Science in Personal & Social Perspectives Personal Health		√		✓	   	<b>√</b>	
History and Nature of Science Science as a human endeavor	✓		<b>√</b>	✓	✓		
Unifying Concepts and Processes Systems, order, and organization Evidence, models, and explanation Constancy, change, and measurement Evolution and equilibrium Form and function	<b>/</b> <b>/</b>		✓	✓	✓	  	

### NATIONAL SCIENCE STANDARDS ADDRESSED IN THE

# 5th & 6th grade field trips

National Science Education	GRADE 5				GRADE 6			
Content Standards	Physical	Natural	Plant	Desert	Bio-	Wetlands		
(Grades 5-8)	Features	Resources	Adapt	Micros	diversity	Micros		
Science as Inquiry								
Abilities necessary to do scientific inquiry	√	<b>√</b>	<b>/</b>	<b>√</b>	✓			
Understanding about scientific inquiry								
Physical Science								
Properties and changes of properties in matter	<b>√</b>	✓						
Motions and forces								
Transfer of energy	✓	✓	✓	√	<b>√</b>	✓		
Life Science								
Structure and function in living systems	√	<b>√</b>	<b>/</b>	<b>√</b>		√		
Reproduction and heredity								
Regulation and behavior		<b>√</b>	<b>√</b>	<b>√</b>		√		
Populations and ecosystems								
Diversity and adaptations of organisms								
Earth and Space Science Structure of the Earth System Earth's History Earth in the Solar System	✓	✓				✓		
Science and Technology								
Abilities of technological design		<b>√</b>		√				
Understanding about science and technology	✓	✓		✓	✓	√		
Science in Personal & Social								
Perspectives	_		_	_				
Personal Health								
Populations, resources, and environments								
Natural hazards								
Risks and benefits								
Science and technology in society	√	✓		√	√	√		
History and Nature of Science								
Science as a human endeavor								
Nature of science								
History of science						√		
Unifying Concepts and Processes		_	_	_		_		
Systems, order, and organization								
Evidence, models, and explanation								
Constancy, change, and measurement	√	✓		✓		√		
Evolution and equilibrium								
Form and function		✓	√	√		√		